

# Converting Colors

YUV(118.4570, 23.9317,  
24.1552)

Have a look what the booklet for  
YUV(118.4570, 23.9317, 24.1552)  
contains.

<b>YUV(118.4570, 23.9317, 24.1552)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YUV(118.4570, 23.9317,  
24.1552)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	925FA7
RGB	146, 95, 167
RGB Percent	57%, 37%, 65%
CMY	0.4275, 0.6275, 0.3451
CMYK	0.13, 0.43, 0.00, 0.35
HSL	282°, 29%, 51%
HSV	282°, 43%, 65%
XYZ	22.9213, 17.0854, 38.6489
YIQ	118.4570, 7.2840, 33.2040

# Conversions

## Conversions Part 2

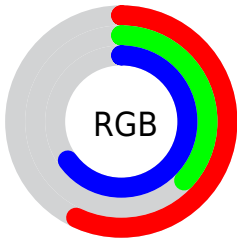
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	146, 95, 167
Decimal	9592743
CIE <sub>Lab</sub>	48.37, 33.78, -30.63
CIE <sub>LCh</sub>	48, 45.596, 317.796
Y <sub>xy</sub>	17.0854, 0.2914, 0.2172
Android (android.graphics.Color)	4287782823 (0xFF925FA7)
Y <sub>UV</sub>	118.4570, 23.9317, 24.1552
Hunter-Lab	41.3345, 26.6486, -26.5037

# Details

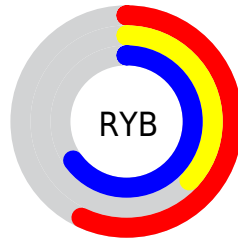
The YUV color **118.4570, 23.9317, 24.1552** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **143.5430, -23.9317, -24.1552**, and the grayscale version is **118.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **171.6960, 24.7999, 25.6996**, and **68.8050, 22.7741, 22.0960** is the 20% darker color. If you saturate the color by 10%, you get **106.9830, 29.5884, 29.8329**, and if you desaturate by 10%, it is **129.9310, 18.2750, 18.4775**.

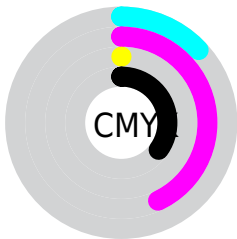
# Distribution



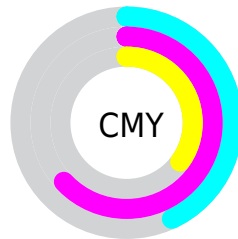
- Red (57%)
- Green (37%)
- Blue (65%)



- Red (57%)
- Yellow (37%)
- Blue (65%)



- Cyan (13%)
- Magenta (43%)
- Yellow (0%)
- Black (35%)



- Cyan (43%)
- Magenta (63%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the YUV color 118.4570, 23.9317, 24.1552 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YUV color 118.4570, 23.9317, 24.1552 by changing the saturation by 10% instead.



■ 118.4570, 23.9317,  
24.1552

■ 118.4570, 23.9317,  
24.1552

255.0000, 0.0000,  
0.0000

■ 92.6310, 23.3529,  
23.1256

■ 171.6960, 24.7999,  
25.6996

■ 68.8050, 22.7741,  
22.0960

■ 199.5220, 25.3787,  
26.7292

■ 44.3920, 22.4847,  
21.5812

■ 223.3020, 15.6271,  
27.7991

■ 20.6800, 22.3428,  
20.4516

■ 240.3250, 7.2348,  
12.8700

■ 12.4910, 15.5339,  
10.9704

■ 3.0950, 9.3202,  
-2.7143

■ 0.0000, 0.0000,

0.0000

■ 118.4570, 23.9317,  
24.1552

■ 118.4570, 23.9317,  
24.1552

■ 106.9830, 29.5884,  
29.8329

■ 129.9310, 18.2750,  
18.4775

■ 96.0960, 34.9557,  
34.9958

■ 140.8180, 12.9077,  
13.3146

■ 84.6220, 40.6124,  
40.6735

■ 152.2920, 7.2510,  
7.6369

■ 73.4470, 46.1216,  
46.9660

■ 163.4670, 1.7418,  
1.3444

■ 62.5600, 51.4889,  
52.1289

■ 174.3540, -3.6255,  
-3.8185

■ 54.3200, 55.5512,  
55.8474

■ 185.8280, -9.2822,  
-9.4962

■ 197.3020,  
-14.9389, -15.1739

■ 208.7760,  
-20.5956, -20.8516

■ 219.6630,  
-25.9629, -26.0145

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



112.9010, 37.0238, -21.8382



118.4570, 23.9317, 24.1552



116.1050, 7.8362, 53.4049

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



118.4570, 23.9317, 24.1552



111.4640, -37.2038, 32.9191



94.2760, 21.0629, -82.6801

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



118.4570, 23.9317, 24.1552



143.5430, -23.9317, -24.1552

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1290, 3.8804, -78.1661



118.4570, 23.9317, 24.1552



108.6300, -35.8066, 4.7095

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



118.4570, 23.9317, 24.1552



113.0550, -26.6491, 54.3258



102.6070, -21.0053, -29.4733



96.3910, 36.7822, -84.5349



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



118.4570, 23.9317, 24.1552



114.3590, -4.1210, 61.9522



102.6070, -21.0053, -29.4733



92.7940, 15.3846, -81.3803

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



118.4570, 23.9317, 24.1552



198.1720, 9.2822, 9.4962



116.1220, 25.0829, -18.5240



97.9390, 5.9461, 6.1925



237.0000, 0.0000, 0.0000



110.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



118.4570, 23.9317, 24.1552



140.8020, 37.5656, 37.8846



123.1400, 14.7210, 38.4652



78.7060, 2.6099, 2.8888



48.2670, 49.1684, 49.7548



6.4660, 6.6723, 6.6073



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



118.9220, -1.4405, 42.1644



141.5490, -2.2427, 66.1705



138.8600, -14.7210, -38.4652



78.6200, -0.3057, 4.7183



49.1540, -3.0339, 86.6879



6.6640, -0.3274, 11.6957



# Previews

## White Background



This preview shows how the YUV color 118.4570, 23.9317, 24.1552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 118.4570, 23.9317, 24.1552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

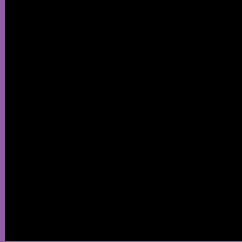
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 118.4570, 23.9317, 24.1552

## Background



This preview shows how black text looks on a background with the YUV color 118.4570, 23.9317, 24.1552.



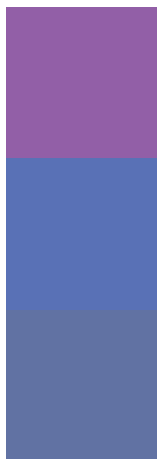
This preview shows how white text looks on a background with the YUV color 118.4570, 23.9317,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

118.4570, 23.9317, 24.1552

### Protanopia

113.6900, 33.6768, -21.6531

### Deuteranopia

114.5030, 23.9090, -15.3501



## Tritanopia

117.1810, -1.0752, 18.2583

# Trichromacy



## Original Color

118.4570, 23.9317, 24.1552

## Protanomaly

115.2900, 30.4230, -4.6393

## Deuteranomaly

115.8900, 23.7182, -0.7805

## Tritanomaly

117.8960, 7.9393, 20.2622

# Monochromacy



## Original Color

118.4570, 23.9317, 24.1552

## Achromatopsia

118.0000, 0.0000, 0.0000

## Achromatomaly

118.3460, 8.7034, 8.4666

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 118.4570, 23.9317, 24.1552 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(146, 95, 167)` looks like.

```
.text, #text, p{  
    color:rgb(146, 95, 167)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(146, 95, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 95, 167) }
```

## Border

The CSS property to change the border of an element to YUV 118.4570, 23.9317, 24.1552 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 95, 167) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(146, 95, 167) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(146, 95, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 95, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 95, 167); box-shadow:4px 4px 4px 4px rgb(146, 95, 167) }
```

# Background

The CSS property to change the background color of an element to YUV 118.4570, 23.9317, 24.1552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 95, 167) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(146, 95,  
167) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor